



**RE: Cost ranges for water treatment plants**

**Boardman, Mary** to: Nabors, Barbara, Sabrina Forrest, Jamison, Doug, Mike Holmes

10/06/2011 12:53 PM

From: "Boardman, Mary" <Mary.Boardman@dphe.state.co.us>  
To: "Nabors, Barbara" <Barbara.Nabors@dphe.state.co.us>, Sabrina Forrest/R8/USEPA/US@EPA, "Jamison, Doug" <Doug.Jamison@dphe.state.co.us>, Mike Holmes/RTP/USEPA/US@EPA

Operational costs depend on many things of course, but at Argo the average operating cost is \$7.5/1,000 gallons. About 55% of that is labor.

-----Original Message-----

From: Nabors, Barbara

Sent: Thursday, October 06, 2011 10:58 AM

To: Forrest.Sabrina@epamail.epa.gov; Jamison, Doug; Boardman, Mary  
Mike\_Holmes@epa.gov

Subject: RE: Cost ranges for water treatment plants

Sabrina,

For the Central City/Clear Creek OU4 WTP that is currently in design, the recently completed schematic design (30% design) estimated the construction cost at \$14.2 M. We anticipate this cost may be lowered as the design is refined. The design flow rate is 600 gpm.

The Central City/Clear Creek Argo Tunnel WTP cost \$4.7 M to construct in 1997. The design flow rate is 700 gpm.

Doug needs to confirm this but I think the design flow rate for the new Summitville Mine WTP is 1400 gpm and the construction cost was approx. \$17 M. Doug?

-----Original Message-----

From: Forrest.Sabrina@epamail.epa.gov [mailto:Forrest.Sabrina@epamail.epa.gov]

Sent: Thursday, October 06, 2011 10:41 AM

To: Jamison, Doug; Boardman, Mary; Mike\_Holmes@epa.gov

Cc: Nabors, Barbara

Subject: Cost ranges for water treatment plants

All, Can you tell me where to find or could you provide me some building and operating costs for water treatment plants that include information on the flows being treated and any other ancillary info that may be pertinent? We want to add this to our communication strategy ASAP. Please forward to me and Jennifer Lane.

Sincerely,

Sabrina Forrest  
Site Assessment Manager  
U.S. Environmental Protection Agency  
1595 Wynkoop Street, Mail Code: 8EPR-B  
Denver, CO 80202-1129  
Direct Ph: 303-312-6484

*Waiting to hear back from PZarg to confirm this is \$ 7.50/1000 gal or another amount*

Toll Free: 1 800-227-8917, 312-6484  
Fax: 303-312-6065  
Agency Cell: 303-589-1286

E-mail: forrest.sabrina@epa.gov

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**RE: Cost ranges for water treatment plants**

**Jamison, Doug** to: Nabors, Barbara, Sabrina Forrest, Boardman,  
Mary, Mike Holmes

10/06/2011 03:55 PM

From: "Jamison, Doug" <Doug.Jamison@dphe.state.co.us>  
To: "Nabors, Barbara" <Barbara.Nabors@dphe.state.co.us>, Sabrina  
Forrest/R8/USEPA/US@EPA, "Boardman, Mary" <Mary.Boardman@dphe.state.co.us>, Mike  
Holmes/RTP/USEPA/US@EPA

Summitville was a little over \$18 mil for 1600gpm.

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Sent: Thursday, October 06, 2011 10:58 AM  
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USFS  
Stiles as "affected party"  
Janowitz  
Brian Lloyd B.2 AML

BLM- \$ set aside of ECO Risk Ass't

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